# 94652.ST25.txt SEQUENCE LISTING

```
<110> Cai, Hong
     Keller, Richard
     Werner, James
     Goodwin, Peter
     RAPID HAPLOTYPING BY SINGLE MOLECULE DETECTION
<120>
<130> S-94,652
<160>
      21
<170> PatentIn version 3.0
<210>
      1
<211>
      20
<212>
      DNA
<213> M13mp18
<400> 1
gctcgaattc gtaatcatcg
20
<210> 2
<211> 18
<212> DNA
<213> M13mp18
<400> 2
cagtgccaag cttcgatg
18
<210> 3
<211> 97
<212> DNA
<213> Synthetic chimera template
<400> 3
gaagttccca aaaccactcc tagtgagccc aagaaaaagc agcctccacc accaaaacaa
60
tatgatacat cttcaaaaac tcactcaaat tctcagc
97
```

```
<210>
      4
<211>
      27
<212>
      DNA
      DNA probe MLL 3968L20
<213>
<400>
      4
aaaaatttct tgggcttcac tagggag
27
<210>
      5
<211>
      29
<212>
      DNA
     DNA probe AF4 4025L24
<213>
      5
<400>
aaaaaaattt gagtgagttt ttgaagatg
29
<210> 6
<211> 12
<212> DNA
<213> PNA probe MLLCy5P
<400> 6
tttcttgggc tc
12
<210> 7
<211> 12
<212> DNA
<213> PNA probe AF4AMP
<400>
      7
tttgagtgag tt
12
<210> 8
<211> 12
<212> DNA
      LNA probe MLLCy5L
<213>
<400>
       8
tttcttgggc tc
12
```

```
<210>
 <211>
        12
 <212>
        DNA
 <213> LNA probe AF4RGXL
 <400> 9
 tttgagtgag tt
 12
 <210>
        10
 <211>
        32
 <212>
        DNA
 <213>
        HLA Gene
 <400>
       10
 tggcagctca gaccaccaag cacaagtggg ag
 32
 <210>
       11
 <211>
       76
 <212>
        DNA
 <213>
        HLA Gene
 <400> 11
 gcggcccatg tggcggagca gttgagagcc tacctggagg gcacgtgcgt ggagtggctc
 60
 cgcagatacc tggaga
 <210>
        12
 <211>
        32
 <212>
        DNA
 <213>
       HLA Gene
<400> 12
 tggcagctca gaccaccaag cacaagtggg ag
 <210>
        13
 <211>
        76
 <212>
        DNA
```

```
<213> HLA Gene
<400> 13
gcggcccatg tggcggagca gcagagagcc tacctggagg gcacgtgcgt ggagtggctc
cgcagatacc tggaga
<210>
       14
<211>
       32
<212>
      DNA
<213> HLA Gene
<400> 14
tggcagctca gaccacccaa gacaagtggg ag
<210>
       15
<211>
       76
<212>
       DNA
<213> HLA Gene
<400> 15
gcggcccatg tggcggagca gttgagagcc tacctggagg gcacgtgcgt ggacgggctc
cgcagatacc tggaga
76
<210>
       16
<211>
       32
<212> DNA
<213> HLA Gene
<400> 16
tggcagctca gaccacccaa ggcaagtggg ag
32
<210>
       17
<211>
       76
<212>
       DNA
<213> HLA Gene
```

```
<400> 17
gcggcccatg tggcggagca gcagagagcc tacctggagg gcacgtgcgt ggacgggctc
cgcagatacc tggaga
<210> 18
<211> 32
<212> DNA
<213> HLA Gene
<400> 18
tggcagctca gaccacccaa ggcaagtggg ag
<210> 19
<211>
      76
<212>
      DNA
<213> HLA Gene
<400> 19
gcggcccatg tggcggagca gcagagagcc tacctggagg gcacgtgcgt ggagtggctc
60
cgcagatacc tggaga
<210> 20
<211>
      32
<212> DNA
<213>
      HLA Gene
<400> 20
tggcagctca gaccacccaa ggcaagtggg ag
32
<210>
      21
<211>
      76
<212>
      DNA
<213> HLA Gene
<400> 21
gcggcccatg tggcggagca gttgagagcc tacctggagg gcacgtgcgt ggacgggctc
                               Page 5
```

60

cgcagatacc tggaga 76